Index of Claims

Application/Control No.

Applicant(s)/Patent under Reexamination

09/938,828

YAMAMOTO ET AL.

Examiner

Art Unit

Clyde H. Jones III

2611

Rejected Allowed

(Through numeral)
Cancelled

Restricted

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| Cla   | Date                             |  |          |                                       |              |          |          |  |              |  |  |
| Final | Original                         | 8/27/01  | 2/9/06   | 11/1/06                               |              |          |          |  |              |  |  |
|       | 1                                | 1  | 1        | V                                     |              | -        |          | _  |              | _  |  |
|       | 2                                | 1  | -        | -                                     |              |          |          |  |              |  |  |
|       | 3                                | 1  | •        | -                                     |              |          |          |  |              |  |  |
|       | 4<br>5                           | 1  | 1        | 1                                     |              |          |          |  |              |  |  |
|       | 5                                |  | •        | -                                     |              |          |          |  |              |  |  |
|       | 6                                | 1  | 7        | 1                                     |              |          |          |  |              |  |  |
|       | 7                                | ٧,   | 7        |                                       |              |          |          |  |              |  |  |
|       | 8                                | 7777   | 7        | 1                                     |              | _        |          | <u> </u>   | <u> </u>     |  |  |
|       | 9                                | V  | V        | N V                                   |              | ┡        |          |  |              |  |  |
|       | 10                               | N<br>J   | 1        | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |              |          |          | -  | <del> </del> | _  |  |
|       | 12                               | J  | 7        | \ \ \                                 | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$   |  |
|       | 11<br>12<br>13<br>14<br>15<br>16 | 1  | 1        | 7 7 7 7                               | ┢            | -        | -        | -  | ┢            | $\vdash$   |  |
|       | 14                               |  | V        | 1                                     |              |          | -        | ╁  | ┢            |  |  |
|       | 15                               | 7  | ļ.       | <del>'</del> -                        | $\vdash$     | $\vdash$ |          | $\vdash$   | $\vdash$     | $\vdash$   |  |
|       | 16                               | Ì  | -        | -                                     |              |          |          | $\vdash$   | $\vdash$     | <del>                                     </del> |  |
|       | 17                               | 1  | -        | -                                     |              |          |          |  | <u> </u>     |  |  |
|       | 18<br>19                         | 1  | 1        | 1                                     |              | Т        | ı        | Г  |              |  |  |
|       | 19                               | 1  | <b>√</b> | 1                                     |              |          |          | Π  |              |  |  |
|       | 20<br>21                         |  |          |                                       |              |          |          |  |              |  |  |
|       | 21                               |  |          |                                       |              |          |          |  |              |  |  |
|       | 22                               | L  |          | L                                     |              | L        |          | L  |              |  |  |
|       | 23<br>24                         | L  | L        | _                                     | _            |          | <u> </u> |  |              |  |  |
|       | 24                               | <u> </u>   | <u> </u> | <u> </u>                              | <u> </u>     | <u> </u> | _        | _  |              |  |  |
|       | 25                               | <u> </u>   | _        |                                       | <u> </u>     | <u> </u> | _        | <u> </u>   | <u> </u>     | _  |  |
|       | 26<br>27                         |  |          | -                                     |              |          |          | -  | -            | <u> </u>   |  |
|       | 20                               | ├  | ┝        |                                       |              |          |          |  |              | ├  |  |
|       | 28<br>29<br>30                   | <del>                                     </del> | $\vdash$ | ⊢                                     |              |          |          | H  |              | $\vdash$   |  |
|       | 30                               | <u> </u>   | -        | ⊢                                     |              | -        | -        | ┢  |              | -  |  |
|       | 31                               | ╁  | $\vdash$ | ╫                                     | <del></del>  | ┢        |          | ┢  | <del> </del> | ├─   |  |
|       | 31<br>32                         |  | $\vdash$ | _                                     |              |          |          | $\vdash$   |              | <u> </u>   |  |
|       | 33                               | $\Box$   | _        |                                       | Г            |          |          | <del>                                     </del> |              | T -  |  |
| -     | 34                               |  |          |                                       | Г            |          | Г        |  | Г            |  |  |
|       | 35                               |  |          |                                       | L            |          |          | L  | L            | L.   |  |
|       | 36<br>37                         |  |          |                                       |              |          |          |  |              |  |  |
|       | 37                               |  | Ē        |                                       |              |          |          |  |              |  |  |
|       | 38                               | <u> </u>   | <u> </u> | <u> </u>                              | L_           | L        | L        | <u> </u>   | L_           | <u> </u>   |  |
|       | 39                               | <b> </b>   | <u> </u> | _                                     | <u> </u>     | <b> </b> | L        | <u> </u>   | L_           | <u> </u>   |  |
|       | 40                               | -  | _        | <u> </u>                              | <u> </u>     | <u> </u> | _        | ⊢  | ⊢            | $\vdash$   |  |
|       | 41                               | <u> </u>   | $\vdash$ | $\vdash$                              | $\vdash$     | $\vdash$ | _        | $\vdash$   | $\vdash$     | _  |  |
|       | 42<br>43                         | <del>                                     </del> | -        | -                                     |              | -        | <u> </u> | -  |              |  |  |
|       | 44                               | <del> </del>                                     | ├        | $\vdash$                              | <del> </del> | ├        | $\vdash$ | ├-   | ⊢            |  |  |
|       | 44                               | $\vdash$   | $\vdash$ | $\vdash$                              | $\vdash$     | $\vdash$ | ┢        | $\vdash$   | ├-           | $\vdash$   |  |
|       | 46                               | ╁  |          | -                                     | <u> </u>     | $\vdash$ | ├        | -  | $\vdash$     | ├  |  |
|       | 47                               | ╁  | $\vdash$ | $\vdash$                              | $\vdash$     | $\vdash$ | ├─       | $\vdash$   | -            |  |  |
|       | 48                               | $\vdash$   | ┢        |                                       | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$   |  |
|       | 49                               | t  | _        | $\vdash$                              | $\vdash$     | $\vdash$ | <u> </u> | _  | 一            | $\vdash$   |  |
|       | 50                               | T  | Н        | $\vdash$                              | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$   |  |

| Cla      | im            | Date      |            |              |  |  |          | Claim        |          |                                     | Date |       |          |          |   |   |          |              |          |          |          |                 |
|----------|---------------|-----------|------------|--------------|--|--|----------|--------------|----------|-------------------------------------|------|-------|----------|----------|---|---|----------|--------------|----------|----------|----------|-----------------|
|          |               |           |            |              |  |  |          |              |          |                                     |      |       |          |          |   |   |          |              |          |          |          | $\sqcap$        |
| 3        | Original      | /01       | 2/9/06     | 11/1/06      |  |  |          |              |          |                                     |      | व     | Original |          |   |   |          |              |          |          |          |                 |
| 3        | ij            | 8/27/01   | /6/        | 1/1          |  |  |          |              |          |                                     |      | Final | īġ       |          |   |   |          | i            |          |          |          |                 |
| -        | Ō             | 8         | 2          | 1            |  |  |          |              |          |                                     |      | _     | Ō        |          |   |   |          |              |          |          |          |                 |
| -        | 1             | 7         | 7          | 1            | _  | -  | -        | _            |          |                                     |      |       | 51       | $\vdash$ |   |   |          | _            | -        | $\vdash$ |          | $\dashv$        |
| -        | <del></del> - | 1         | Ť          | ·            |  |  |          |              |          |                                     | 1    |       | 52       |          |   | - |          | ┢            | -        | ├        | _        | $\dashv$        |
| -        | 2<br>3<br>4   | 1         | -          |              | H  |  |          |              |          |                                     | 1    |       | 52<br>53 | $\vdash$ |   | _ |          | -            | -        | -        |          |                 |
| -        | 4             | 7         | 1          | 1            | <u> </u>   |  |          |              |          |                                     |      |       | 54       | $\vdash$ |   |   |          | _            | -        | $\vdash$ | -        | _               |
| -        | -5            | Ť         | •          | -            | $\vdash$   | Н  | $\vdash$ | _            |          | _                                   |      |       | 55       | $\dashv$ |   |   |          |              | $\vdash$ |          |          | _               |
| $\dashv$ | 5<br>6<br>7   | 7         | 7          | 7            | _  |  | $\vdash$ |              |          |                                     |      |       | 55<br>56 | Н        |   |   |          |              | -        |          | -        |                 |
| -        | 7             | 7         | 1          | 7            |  |  | $\vdash$ |              |          | ⊢                                   |      |       | 57       | Н        |   |   |          |              |          |          | -        |                 |
| _        | 8             | 7         | 7          | 7            | <del>                                     </del> |  | _        |              |          |                                     | 1 1  |       | 58       | $\dashv$ |   |   |          |              | ┢        |          | $\vdash$ |                 |
| _        | 9             | 7         | 7          | 7            |  | -  |          | -            |          |                                     |      |       | 59       | Н        | _ |   |          | -            | $\vdash$ | -        |          | $\dashv$        |
| _        | 10            | 1         | 7          | 7            |  | $\vdash$   |          | Н            |          |                                     |      |       | 60       | -        |   | _ |          |              |          | -        | -        | $\dashv$        |
| _        | 11            | 1         | 7          | 1            |  |  |          |              | _        |                                     |      |       | 61       | Н        | _ |   |          |              |          | ⊢        | -        | $\dashv$        |
|          | 12            | 1         | 1          | 1            |  |  | <u> </u> |              |          |                                     |      |       | 62       | -        | _ |   | -        |              |          | ⊢        |          | $\dashv$        |
|          | 12            |           |            |              |  |  | -        | -            |          | ┝                                   |      |       |          | _        | _ |   | -        | _            | $\vdash$ | ⊢        |          | $\vdash$        |
|          | 13            | 1         | 1          | 1            |  |  |          | _            | <u> </u> |                                     |      |       | 63       | Н        |   |   |          | $\vdash$     | -        | ⊢        | <u> </u> | $\vdash$        |
|          | 14            | 1         | ٧          | 7            |  |  |          |              | _        |                                     |      |       | 64       | Щ        |   |   |          | _            | _        | <u> </u> | _        | $\dashv$        |
|          | 15            | V         | <u> </u>   | -            |  | _  |          |              | _        |                                     |      |       | 65       | Ш        |   |   |          | _            | _        | _        | _        |                 |
|          | 16            | V         | <u> </u>   | ۰            | _  | _  | L.       |              | L.       | ļ.,                                 |      |       | 66       |          |   |   | <u></u>  | <u> </u>     | _        | L        | <u> </u> |                 |
|          | 17            | V         | <u>-</u>   | <u>  -</u>   |  | _  | <u> </u> | _            |          |                                     |      |       | 67       |          |   |   |          | L.           |          | _        | <u> </u> | $\Box$          |
|          | 18            | 1         | 1          | 1            |  |  |          | _            | _        |                                     |      |       | 68       |          |   |   |          | L            | L        | <u>_</u> | L        |                 |
|          | 19            | 1         | 1          | 1            |  |  |          |              |          |                                     | ]    |       | 69       |          |   |   |          |              |          |          |          |                 |
|          | 20            |           |            |              |  |  |          |              |          |                                     |      |       | 70       |          |   |   |          |              |          |          |          |                 |
|          | 21            |           |            |              |  |  |          |              |          |                                     | ]    |       | 71       |          |   |   |          |              |          |          |          |                 |
|          | 22            |           |            |              |  |  |          |              |          |                                     | 1    |       | 72       |          |   |   |          |              |          |          |          |                 |
| _        | 23            |           |            |              |  |  |          |              |          |                                     | 1    |       | 73       |          |   |   |          |              |          |          |          |                 |
| _        | 24            | _         | $\vdash$   | _            |  |  |          |              |          |                                     | 1    |       | 74       |          |   |   |          |              |          |          | T .      |                 |
|          | 24<br>25      | _         | _          | _            | _  | <del>                                     </del> | -        |              | -        | -                                   | 1    |       | 75       |          |   |   |          |              | $\vdash$ |          |          |                 |
|          | 26            |           |            |              |  |  |          |              |          |                                     | i    |       | 76       | Н        |   |   |          |              |          |          |          |                 |
|          | 27            |           | Т          |              | -  |  |          | Н            | _        | <u> </u>                            | 1    |       | 77       | Н        |   |   |          | $\vdash$     |          |          |          | Н               |
| _        | 28            | _         | _          | _            | _  | _  | _        | -            | _        | _                                   | i    |       | 78       | Н        |   |   | $\vdash$ | $\vdash$     |          |          | $\vdash$ | Н               |
|          | 29            |           |            |              |  |  |          |              |          | $\vdash$                            |      |       | 79       | $\vdash$ | _ | _ | _        | ┝            | -        | $\vdash$ | $\vdash$ | $\dashv$        |
| _        | 30            |           |            | <u> </u>     | -  | -  | -        | ┝            |          | H                                   |      |       | 80       | Н        |   |   | _        | $\vdash$     |          | $\vdash$ |          | $\dashv$        |
|          | 31            | _         | _          | _            | —  | ⊢  |          | ┝            | _        | ┝                                   |      |       | 81       | Н        |   | - |          | ⊢            | _        |          |          | $\dashv$        |
| -        | 32            | -         | -          | -            |  |  |          | $\vdash$     |          | -                                   |      |       | 82       | Н        |   | _ | -        | ├─           | -        | -        | -        |                 |
| -        | 32<br>33      | -         |            |              |  |  | _        |              | _        |                                     |      |       | 83       | Н        |   | _ | -        | ⊢            | -        | ⊢        | $\vdash$ | $\dashv$        |
|          | 33            |           |            |              | <u> </u>   | -  | ├—       | ├-           | _        | $\vdash$                            |      |       | 03       |          |   | _ |          | ⊢            | $\vdash$ | $\vdash$ | ┢        | $\dashv$        |
| -        | 34<br>35      | $\vdash$  | $\vdash$   | $\vdash$     | $\vdash$   | <u> </u>   |          | $\vdash$     |          | $\vdash$                            |      |       | 84       |          |   | _ | <b>—</b> |              | -        | ⊢        | -        | $\dashv$        |
| -        | 35            |           | Н          |              | -  |  | ļ        | -            |          | <u> </u>                            |      |       | 85       | $\vdash$ |   |   | <u> </u> |              | -        | ⊢        | ├        | $\vdash$        |
| _        | 36            | <b>  </b> | Ш          | <u> </u>     | <u> </u>   | <u> </u>   |          |              | ļ        | <u> </u>                            |      |       | 86       | $\vdash$ |   | _ |          | <del> </del> | -        | -        | -        | $\vdash \vdash$ |
|          | 37            | <u> </u>  |            | <u> </u>     |  | -  | <u> </u> | $\vdash$     | <u> </u> | ├-                                  |      |       | 87       | Н        |   |   | _        | <u> </u>     | <u> </u> | $\vdash$ | $\vdash$ | dash            |
|          | 38            | <b> </b>  | <b> </b> - | <b> </b>     | <u> </u>   | ļ  | <u> </u> | <u> </u>     | ļ        | <del> </del>                        |      |       | 88       | Щ        |   |   |          | <u> </u>     | $\vdash$ | <u> </u> | <u> </u> | $\dashv$        |
| _        | 39            | L.,       | Щ          | Ь.           | <u> </u>   | <b> </b>   | <u> </u> | <u> </u>     |          | <u> </u>                            |      |       | 89       | Ш        |   |   | L.       | <u> </u>     | <u> </u> | <u> </u> | <u> </u> | Ш               |
| _        | 40            |           |            | _            | <u> </u>   | <u> </u>   | <u> </u> | $\vdash$     | _        | <u> </u>                            |      |       | 90<br>91 | Щ        |   |   | _        | <u> </u>     | <u> </u> | <u> </u> |          | $oxed{oxed}$    |
|          | 41            | L.        | Ш          | $oxed{oxed}$ | _  | Ш  |          | $oxed{oxed}$ | _        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |      |       | 91       | Ш        |   |   |          | <u> </u>     |          | L        |          |                 |
|          | 42            |           | Ш          |              | L_   | L  |          |              | L        | L_                                  |      |       | 92       | Ш        |   |   |          |              |          | L        | L.       |                 |
|          | 43            |           |            |              |  |  |          |              | Щ        |                                     |      |       | 93       | Ш        |   |   |          |              |          | L        | L        |                 |
|          | 44            |           |            |              |  |  |          |              |          | L                                   |      |       | 94       |          |   |   |          |              |          | L        | L        |                 |
|          | 45            |           |            |              | L  | L  | L        |              | L        |                                     |      |       | 95       |          |   |   |          |              |          | L        | L        |                 |
|          | 46            |           |            |              |  |  |          |              |          |                                     |      |       | 96       | П        |   |   |          |              |          |          |          |                 |
|          | 47            |           |            |              | Γ  | Г  |          | П            |          |                                     |      |       | 97       | П        |   |   |          |              |          |          | Г        |                 |
|          | 48            |           |            |              |  |  |          |              |          |                                     |      |       | 98       |          |   |   |          |              |          |          | Π        |                 |
|          | 49            |           |            |              |  | Г  |          |              |          |                                     | 1    |       | 99       | М        |   |   |          | $\vdash$     | $\vdash$ |          | $\Box$   | $\Box$          |
|          | 50            |           |            | $\Box$       | Т  | П  | $\vdash$ | Т            | $\vdash$ |                                     | 1 1  |       | 100      | П        |   |   |          | _            |          |          | Т        | $\dashv$        |
| _        |               | _         |            |              |  |  |          | _            | _        | _                                   |      |       |          | ш        |   |   | _        | Щ.           |          |          |          | ш               |

| Cla      | Date                                   |          |              |          |              |  |  |              |          |                        |
|----------|--|----------|--------------|----------|--------------|--|--|--------------|----------|------------------------|
|          |  |          |              |          |              |  |  |              |          |                        |
| <u>a</u> | Original                               |          |              |          |              |  |  |              |          |                        |
| Final    | rig                                    |          |              |          |              |  |  |              |          |                        |
|          |  |          |              |          |              |  |  |              |          |                        |
|          | 101<br>102                             |          |              |          |              |  |  |              |          | $\Box$                 |
|          | 102                                    |          |              |          |              |  |  |              |          |                        |
|          | 103                                    |          |              |          |              |  |  |              |          |                        |
|          | 103<br>104                             |          |              |          |              |  |  |              |          |                        |
|          | 105                                    |          |              |          |              |  |  |              |          |                        |
|          | 106<br>107                             |          |              |          |              |  |  |              |          |                        |
|          | 107                                    |          |              |          |              |  |  |              |          |                        |
|          | 108                                    |          |              |          |              |  |  |              |          |                        |
|          | 108<br>109                             |          |              |          |              |  |  |              |          |                        |
|          | 110                                    |          |              |          |              |  |  |              |          |                        |
| ļ        | 111                                    |          |              | <u>_</u> | L_           | $ldsymbol{f eta}$                                |  | $oxed{oxed}$ | _        | Ш                      |
|          | 112                                    | _        |              | <u> </u> | _            | <u> </u>   |  |              |          | Ш                      |
|          | 113                                    | <u> </u> |              |          |              |  | L.   | <u> </u>     | <u> </u> | Щ                      |
|          | 110<br>111<br>112<br>113<br>114<br>115 |          | لبا          |          |              |  |  | <u> </u>     |          | Ш                      |
|          | 115                                    | <u> </u> | اـــٰـا      | L.       |              | <u> </u>   | _  | <u> </u>     | <u> </u> | Ш                      |
|          | 116<br>117                             | _        | Ш            | <u> </u> |              | <u> </u>   |  | <u> </u>     | <u> </u> | Щ                      |
|          | 117                                    | _        |              |          | _            | <u> </u>   | <u> </u>   |              | <u> </u> | Ш                      |
|          | 118<br>119<br>120<br>121               | _        | <u> </u>     |          | _            | _  | <u> </u>   | <u> </u>     | ļ        | Щ                      |
|          | 119                                    |          | _            | <u> </u> | _            |  | _  | _            |          |                        |
|          | 120                                    |          |              |          | _            | _  | _  |              | _        | Щ                      |
|          | 121                                    |          | _            |          | _            | <u> </u>   | _  |              |          | Н                      |
|          | 122                                    |          |              |          | <u> </u>     | <u> </u>   | <u> </u>   | _            |          | Щ                      |
|          | 122<br>123<br>124                      |          |              |          | <u> </u>     | <del> </del>                                     | _  | _            | _        | Н                      |
|          | 124                                    | _        |              |          | ⊢            | -  | ├  | -            |          | Н                      |
|          | 125<br>126<br>127<br>128<br>129        |          |              |          |              | -  | ⊢  | ┝            | -        | Н                      |
|          | 120                                    |          | -            |          | -            | _  |  | -            |          | $\vdash$               |
|          | 127                                    | -        | <del> </del> |          |              |  | -  | -            |          | $\vdash$               |
|          | 120                                    | $\vdash$ | $\vdash$     |          |              | ├  | -  | $\vdash$     |          | H                      |
|          | 123                                    | -        | <del>-</del> | $\vdash$ | <del> </del> | ├  | -  | ├            |          | Н                      |
|          | 130<br>131                             |          | _            |          |              |  |  |              |          | H                      |
|          | 132                                    | $\vdash$ |              | $\vdash$ | <u> </u>     | -  |  | $\vdash$     |          | $\vdash\vdash$         |
|          | 133                                    | $\vdash$ | <del> </del> | $\vdash$ |              | $\vdash$   | -  |              |          | ├─┤                    |
| <u> </u> | 133<br>134                             | $\vdash$ | -            | ├        | -            | -  | $\vdash$   | $\vdash$     |          | H                      |
|          | 135                                    | $\vdash$ | -            | H        |              | -  | <del>                                     </del> | _            | _        | H                      |
|          | 135<br>136                             | $\vdash$ | Н            |          | _            | <del>                                     </del> | $\vdash$   |              | <u> </u> | $\vdash \vdash \vdash$ |
|          | 137                                    | $\vdash$ | Ι            | <u> </u> | $\vdash$     | <del>                                     </del> | $\vdash$   | 1            | <b>-</b> | H                      |
|          | 138                                    | <u> </u> | -            | <u> </u> |              |  |  |              | T        | Н                      |
|          | 138<br>139                             |          |              | <u> </u> | _            |  |  |              |          | $\square$              |
|          | 140                                    | $\vdash$ |              |          | $\vdash$     |  | <u> </u>   | Т            | $\vdash$ |                        |
|          | 141                                    | $\vdash$ |              | İ        |              |  |  | Г            | Г        | П                      |
|          | 142                                    |          |              |          |              |  |  | Г            |          | $\Box$                 |
|          | 143                                    | ļ —      |              |          |              |  |  | Г            |          |                        |
|          | 144                                    | Г        |              |          |              |  |  |              |          |                        |
|          | 145                                    |          |              | Г        |              |  |  |              |          |                        |
|          | 146                                    |          |              |          |              |  |  |              |          |                        |
|          | 147                                    |          |              |          |              |  |  |              |          |                        |
|          | 148                                    |          |              |          |              |  |  |              |          | П                      |
|          | 149                                    |          |              |          |              |  |  |              |          |                        |
|          | 150                                    |          |              |          |              |  |  |              |          | П                      |
|          |  | _        | _            | -        |              |  |  |              |          |                        |